LINDY®

COMPUTER CONNECTION TECHNOLOGY

24 + 2 GIGA Port
N-Way Switch

User Manual *English*

LINDY No. 25003

www.lindy.com

CE

Introduction

Thank you for purchasing the LINDY 24+2 GIGA N-Way Switch. This switch is a high performance Gigabit Ethernet switch which is ideal for use in small and medium networks or as a workgroup switch.
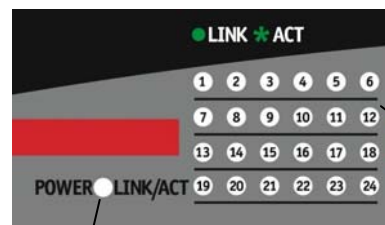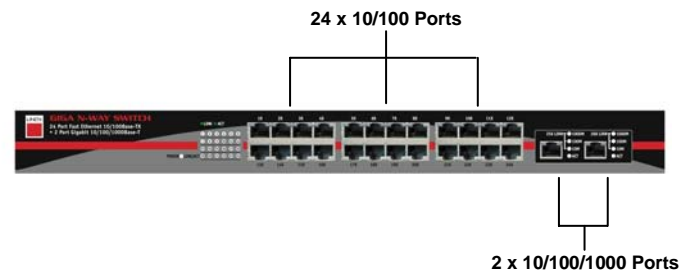
The switch utilizes store & forward architecture that filters and forwards data after each packet is received and examined to be free of errors. All of the Fast Ethernet ports support full and half duplex operation. An auto-negotiation function provides smooth migration from Ethernet over Fast Ethernet to Gigabit Ethernet. The switch also supports back pressure and IEEE 802.3x advanced flow control to reduce congestion and prevent packet loss.

It features extensive LED's allowing the operating status to be easily monitored and can be mounted into a 19" rack using the supplied brackets and screws.
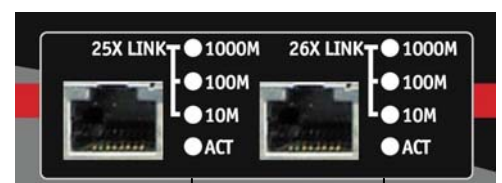
Features

- 24 x 10/100Base-TX, RJ-45 Fast Ethernet ports
- 2 x 10/100/1000Base-T, RJ-45 Gigabit Ethernet ports
- All ports support Auto-MDI/MDI-X function
- Supports Full/Half-Duplex operation on all 10/100 ports
- Extensive front panel diagnostic LED's
- Supports Store & Forward switching architecture
- Wire-speed packet filtering and forwarding rate
- Realtek 8326 chipset
- 19" rackmount design, brackets and screws included

Specifications

- Standards: IEEE 802.3 (10Base-T), 802.3u (100Base-TX), 802.3ab (1000Base-TX), 802.3x (Flow control support)
- Switching Architecture: Store & Forward
- Filter/Forward Rate: 14880pps (10Mbps), 148800pps (100Mbps), 1488100pps (Mbps)
- MAC Address Table: 8K entries, self learning
- Buffer Memory: 2.5Mbit
- MDI / MDI-X function: all ports
- N-Way Auto-negotiation: all ports
- Full-Duplex/Half-Duplex: all ports
- Chipset: Realtek 8326
- Power supply: internal 3.3V 4A (100-240V / 50-60Hz, ~20Watts)
- Dimensions (WxDxH): 440 x 135 x 44mm
- Weight (approx.): 1.5kg (2.2kg incl. packaging)
- Operating Temperature: 0°~50°C (32°~122°F)
- Operating Humidity: 10%-90%, non-condensing

Package Contents

- 24+2 GIGA N-Way Switch
- Power cable
- 19" rack mounting brackets and screws
- Rubber feet
- This manual

Front Panel

24 x 10/100 Ports

2 x 10/100/1000 Ports

● LINK ✳ ACT

POWER LINK/ACT

24 x 10/100 Port Link/Activity LED's

Power LED

25X LINK ● 1000M / ● 100M / ● 10M / ● ACT
26X LINK ● 1000M / ● 100M / ● 10M / ● ACT

2 x 10/100/1000 Port Link/Activity LED's

LED Status Indicators

Type	LED	Status	Description
System	Power	Steady Green	Power is on
		Off	Power is off
Port 1-24 One LED per port (10/100)	LINK/ACT	Steady Green	A valid link is established
		Flashing Green	Data packets transmitted
		Off	No link is established
Port 25,26 Four LED's per port (10/100/1000)	10M	Steady Green	Port running at 10Mbps
		Off	No 10Base-T link is established
	100M	Steady Green	Port running at 100Mbps
		Off	No 100Base-T link is established
	1000M	Steady Green	Port running at 1000Mbps
		Off	No 1000Base-T link is established
	ACT	Green	Data packets transmitted
		Off	No link is established

Installation

Operating Environment

- This switch must be installed and operated within the specified limits of the operating temperature and humidity as detailed in the **Specifications** section
- Do not place objects on top of the unit. Do not obstruct any vents at the sides of the unit
- Do not position the switch in direct exposure to the sun or near any heat source such as a heater, radiator etc.
- Prevent water and moisture entering the unit. If necessary use a dehumidifier to reduce humidity

Connecting network devices

This switch features Auto MDI/MDI-X RJ-45 ports for easy connection to other network devices using either a straight-through or crossover type connecting cable.

1. Connect one end of the network cable to the RJ-45 port on the front panel and connect the other end of the network cable to the RJ-45 port on the network device.

2. Follow the same procedure to connect each of the RJ-45 ports on the switch.

3. The network cables must comply with EIA/TIA 568 specifications and the *Category 5 standard for 100Mbps data transmission* and at least *Category 5e for 1000Mbps transmission*.

4. The maximum length of any Ethernet segment is 100m. For combined installations the 90m + 10m rule should be regarded (90m with solid core installation cable + 10m for the patch cables).

Radio Frequency Energy, Certifications

FCC Certifications

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.
Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at their own expense.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received; including interference that may cause undesired operation.

CE Certification

This equipment complies with the requirements relating to electromagnetic compatibility, EN 55024 and EN55022 class A for ITE, EN61000-3-2/-3 the essential protection requirement of Council Directive 89/336/EEC on the approximation of the laws of the Member States relating to electromagnetic compatibility.